ENFORCER®

ENFORCER Products, Inc. P.O. Box 1060 Cartersville, GA 30120 1-888-805-HELP

Material Safety Data Sheet

and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name Citrus Cleaner & Degreaser

Product Code CIT32/128

Emergency Telephone

Numbers

For MSDS Information:

Compliance Services (404) 352-1680

For a Medical Emergency:

CHEM-TEL

(800) 255-3924 (Toll Free - Calls Recorded)

For a Transportation Emergency:

CHEMTREC

(800) 424-9300 (Toll Free - Calls Recorded)

Prepared by Compliance Services Group

Acuity Specialty Products Group 1420 Seaboard Industrial Blvd.

Atlanta, GA 30318

Name of Hazardous Ingredients	CAS#	∣% by Weight	Exposure Limits
D-LIMONENE - orange distillate; citrus terpene; cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)-	5989-27-5	1-5	Not established
MONOETHANOLAMINE; 2-aminoethanol; MEA	141-43-5	1-5	OSHA PEL (United States). TWA: 3 ppm 8 hour(s). ACGIH TLV (United States). STEL: 6 ppm 15 minute(s).
ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	1-5	ACGIH TLV (United States). Skin TWA: 20 ppm 8 hour(s). Form: Vapor OSHA PEL (United States). Skin TWA: 25 ppm 8 hour(s). Form: Vapor
DIPROPYLENE GLYCOL N-BUTYL ETHER; 1-(2-butoxy-1-methoxy)- 2-propanol; glycol ether dpnb	29911-28-2	1-5	Not established

Section 3. Hazards Identification

Acute Effects Routes of Entry Absorbed through skin. Eye contact. Inhalation.

Skin Hazardous in case of skin contact (irritant, permeator). Direct contact may cause irritation and

redness.

Eyes Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness,

watering, and itching.

Inhalatior Hazardous in case of inhalation. May cause respiratory tract irritation. Avoid inhalation of vapors and spray mist.

Ingestion Aspiration hazard if swallowed- can enter lungs and cause damage.

Carcinogenic Effects

Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Chronic Effects

Slightly hazardous in case of skin contact (permeator). The substance may be toxic to blood, kidneys, liver. Repeated or prolonged exposure to the substance can produce

target organs damage.

See Toxicological Information (section 11)

HMIS
Health 1
Fire Harard 2
Reactivity 0
Personal B
Protection

Section 4. First Aid Measures

Eve Contact Check for and remove any contact lenses, Immediately flush eves with running water for at least 15

minutes, keeping eyelids open. Get medical attention if irritation occurs.

Skin ContactWash affected area with soap or mild detergent and water. Get medical attention if irritation develops. **Inhalation**If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

Ingestion ASPIRATION HAZARD. Do NOT induce vomiting unless directed to do so by medical personnel. Never

give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point Closed cup: 51°C (124°F). Flammable Limits Not determined.

(Tagliabue.)

Flammability Combustible.

Fire Hazard Combustible liquid and vapor. Avoid all possible sources of ignition (spark or flame).

Fire-Fighting Procedures Use DRY chemicals, CO₂, water spray or foam. Fire-fighters should wear

proper protective equipment.

Section 6. Accidental Release Measures

Spill Clean up Put on appropriate personal protective equipment (see Section 8). Absorb with an inert material and place in an

appropriate waste disposal container.

Section 7. Handling and Storage

Handling Avoid contact with eyes, skin or clothing. Avoid inhalation. Use only with adequate ventilation. Keep away from

food, drink and animal feeding stuffs. Keep away from heat, sparks and flame.

Storage Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid

all possible sources of ignition (spark or flame). Store between 40°F - 120°F (4.4°C - 49°C). Protect from freezing.

Protective Clothing (Pictograms)

Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection

Personal Protection Safety glasses.

Body Gloves. Recommended: Nitrile gloves. Rubber gloves. Neoprene

gloves.

Respirator Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.

Section 9. Physical and Chemical Properties

Physical StateLiquid.Color Amber.pH11.0-12.0Odor Citrus

Boiling PointNot determined.Vapor PressureNot determined.Specific Gravity1.01 (Water = 1)Vapor DensityNot determined.SolubilityEasily soluble in cold water, hot water.Evaporation Rate1 compared to water

olubility Easily soluble in cold water, hot water. Evaporation Rate 1 compared to water VOC (Consumer) 171.4 (g/l). 1.43 lb/gal 17%

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Reactive with oxidizing agents. Keep away from heat, sparks and flame.

Hazardous Polymerization Will not occur.

Hazardous Decomposition These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...).

Products

Eyes

Section 11. Toxicological Information

Toxicity to Animals Ethylene Glycol Monobutyl Ether:

ORAL (LD50): Acute: 1746 mg/kg [Rat]. 1519 mg/kg [Mouse]. 1414 mg/kg [Guinea

pig].

DERMAL (LD50): Acute: 435 mg/kg [Rabbit]. >2000 mg/kg [Guinea pig].

VAPOR (LC50): Acute: 700 ppm 7 hour(s) [Mouse]. >633 ppm 1 hour(s) [Guinea pig].

>691 ppm 1 hour(s) [Guinea pig].

Monoethanolamine:

ORAL (LD50): Acute: 2100 mg/kg [Rat.]. DERMAL (LD50): Acute: 1000 mg/kg [Rabbit.].

d-Limonene:

ORAL (LD50): Acute: 5600 mg/kg [Mouse]. 4400 mg/kg [Rat].

DERMAL (LD50): Acute: >5000 mg/kg [Rabbit].

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Section 12. Ecological Information

Ecotoxicity Not available. **Biodegradable/OE** Not available.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control

regulations.

Waste Stream Code: - D001

Classification: - (Hazardous waste.)

Consult your local or regional authorities.

Section 14. Transport Information Proper shipping name Not regulated.

DOT Classification Not a DOT controlled material (United States).

UN number None.

TDG Classification Not a TDG controlled material.

Section 15. Regulatory Information

U.S. Federal Regulations SARA 313 toxic chemical notification and release reporting:

Ethylene Glycol Monobutyl Ether (certain Glycol Ethers)

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 regulated toxic substances: Ethylene glycol monobutyl ether

State RegulationsCalifornia prop. 65: No products were found.WHMIS (Canada)Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).Class D-2B: Material causing other toxic effects (TOXIC).

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.